

U.S. Patent Application Serial No. 09/926,160
Response dated December 17, 2003
Reply to OA of September 23, 2003

IN THE CLAIMS

Please cancel claims 2 and 4 without prejudice or disclaimer and amend claim 1, as follows:

1. (Currently amended): A photocurable sheet-form material comprising:

(a) a polymerizable unsaturated monomer;

(b) a polymer which is either polymethyl methacrylate or a polymer consisting mainly of methyl methacrylate units and which is compatible or swollen with the monomer (a), wherein the polymer (b) is produced in a powdered form having a weight average molecular weight of 100,000 or more;

(c) a photocuring agent; ~~and~~

(d) fibrous reinforcement; ~~;~~ and

(e) one or more resins selected from a (meth)acrylic polymer, an unsaturated polyester, a vinyl ester, or an urethane acrylate;

wherein, the polymerizable unsaturated monomer (a) is an acrylic polymerizable monomer, and has a solubility parameter SP within a range from 8.1 to 10.0, which is calculated in accordance with a formula " $SP = \Sigma(G)/\text{molecular weight}$ " by using molar attraction constants G, and

a content of the polymer (b) is within a range from 10 to 50 parts by weight, relative to 100 parts by weight of the polymerizable unsaturated monomer (a).

2-4. (Canceled)

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5. (Previously Presented): A photocurable sheet-form material according to claim 1, wherein the polymer (b) is included in an amount of 1 to 100 parts by weight, relative to 100 parts by weight of the polymerizable unsaturated monomer (a).

6. (Previously Presented): A layered molding made of a laminate of a thermoplastic resin sheet and a photocurable sheet-form material according to claim 1.

7. (Previously Presented): A method of reinforcement, including a step of using a photocurable sheet-form material according to claim 1 on a surface of a molded article.

8. (Previously Presented): A photocurable sheet-form material according to claim 1, wherein the polymer (b) is produced in an emulsion form by an emulsion polymerization method.